

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/050776

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04Q7/30 H04B1/26

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04Q H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 296 611 A (MOTOROLA INC) 3 July 1996 (1996-07-03)	1,2,7,9
Y	abstract page 3, line 10 - page 5, line 12 figures 1,4a,4b	8
X	US 5 748 683 A (SMITH PAUL FIELDING ET AL) 5 May 1998 (1998-05-05)	1,3,7,9
Y	abstract column 2, lines 9-63 figure 1	8
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

**\* Special categories of cited documents :**

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

7 September 2004

Date of mailing of the international search report

15/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Helms, J

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/050776

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CARSELLO R D ET AL: "IMT-2000 STANDARDS: RADIO ASPECTS" IEEE PERSONAL COMMUNICATIONS, IEEE COMMUNICATIONS SOCIETY, US, vol. 4, no. 4, 1 August 1997 (1997-08-01), pages 30-40, XP000696492 ISSN: 1070-9916 page 36, right-hand column - page 37, left-hand column figure 7	4-6,8,10
Y	WO 02/103926 A (QUALCOMM INC) 27 December 2002 (2002-12-27) paragraphs '1089! - '1095! figures 3,4a	4-6,8,10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/050776

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2296611	A	03-07-1996	AU 686046 B2 29-01-1998
			AU 4610696 A 24-07-1996
			BR 9510374 A 02-06-1998
			CA 2181807 A1 11-07-1996
			CA 2206311 A1 11-07-1996
			CN 1172566 A 04-02-1998
			DE 19581533 C2 25-02-1999
			DE 19581533 T0 05-06-1997
			DE 19581876 T0 27-11-1997
			EP 0800737 A1 15-10-1997
			FI 963345 A 27-08-1996
			FI 972748 A 25-06-1997
			FR 2729022 A1 05-07-1996
			GB 2311916 A ,B 08-10-1997
			IL 116167 A 20-06-1999
			JP 3530193 B2 24-05-2004
			JP 9510074 T 07-10-1997
			JP 10512114 T 17-11-1998
			KR 203318 B1 15-06-1999
			SE 520982 C2 16-09-2003
			SE 9603089 A 17-09-1996
			SE 9702156 A 29-08-1997
			WO 9621292 A1 11-07-1996
			WO 9621305 A1 11-07-1996
			US 5659546 A 19-08-1997
US 5748683	A	05-05-1998	US 5579341 A 26-11-1996
			CA 2201352 A1 13-02-1997
			DE 19680765 C1 31-05-2001
			FI 971122 A 17-03-1997
			FR 2737621 A1 07-02-1997
			GB 2308030 A ,B 11-06-1997
			SE 523421 C2 20-04-2004
			SE 9701116 A 29-05-1997
			US 5912927 A 15-06-1999
			WO 9705704 A1 13-02-1997
			AU 686046 B2 29-01-1998
			AU 4610696 A 24-07-1996
			AU 678124 B2 15-05-1997
			AU 5294796 A 24-07-1996
			BR 9506911 A 16-09-1997
			BR 9510374 A 02-06-1998
			CA 2182382 A1 11-07-1996
			CA 2206311 A1 11-07-1996
			CN 1142293 A ,B 05-02-1997
			CN 1172566 A 04-02-1998
			DE 19581527 C2 01-08-2002
			DE 19581527 T0 07-05-1997
			DE 19581876 T0 27-11-1997
			EP 0800737 A1 15-10-1997
			FI 963346 A 27-08-1996
			FI 972748 A 25-06-1997
			FR 2729026 A1 05-07-1996
			FR 2738428 A1 07-03-1997
			FR 2738429 A1 07-03-1997
			GB 2301990 A ,B 18-12-1996
			GB 2311916 A ,B 08-10-1997
			IL 115823 A 06-12-1998

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/050776

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5748683	A	JP 10512114 T	17-11-1998
		JP 10502513 T	03-03-1998
		KR 199316 B1	15-06-1999
		PL 316636 A1	03-02-1997
		SE 9603102 A	29-10-1996
		SE 9702156 A	29-08-1997
		TR 960822 A1	21-10-1996
		WO 9621305 A1	11-07-1996
		WO 9621288 A1	11-07-1996
		US 5602874 A	11-02-1997
		US 6167099 A	26-12-2000
		US 5754597 A	19-05-1998
		US 5818883 A	06-10-1998
		US 5812605 A	22-09-1998
		US 5854813 A	29-12-1998
WO 02103926	A	27-12-2002	
		US 2003112880 A1	19-06-2003
		BR 0210417 A	20-07-2004
		EP 1400035 A1	24-03-2004
		WO 02103926 A1	27-12-2002